

CHEMICAL AND PHYSICAL SPECIFICATIONS ON ALLOYS
USED BY C.S.M. IN THE MANUFACTURE OF ENDLESS, WELDED
CASTING MACHINE BELTS

	CHEMICAL COMPOSITION (% NOMINAL)						
	<u>C</u>	<u>Si</u>	<u>Mn</u>	<u>Pmax.</u>	<u>Smax.</u>	<u>Cr</u>	<u>Mo</u>
Carbon FV:	1.00	0.25	0.40	0.15	0.004	-	-
Chrome FV:	0.38	0.50	0.55	0.025	0.015	13.5	1.00

	PHYSICAL PROPERTIES	
	<u>Carbon FV</u>	<u>Chrome FV</u>
Tensile Strength:	268,000 PSI	263,000 PSI
Hardness:	550 HV	540 HV
Surface Finish:	Bright extra fine polish	Bright extra fine polish
Surface Roughness:	Ra max. 0.25 microns	Ra max 0.20 microns
Dimensions:	0.015 in. thick X 12 in. wide max.	0.020 in. thick 11.81 in. wide max.

C.S.M. supplies ceramic tape casting machine belts in the above two alloys for our own machines as well as those manufactured by others.

Thank you for considering us as a source for your endless welded belt needs.

C.S.M. 14 August 2006